

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/618,424B  
Source: IFW316  
Date Processed by STIC: 3-10-05

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,  
Alexandria, VA 22314**

Revised 01/24/05



IFW16

## RAW SEQUENCE LISTING

DATE: 03/10/2005

PATENT APPLICATION: US/09/618,424B

TIME: 09:54:12

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03102005\I618424B.raw

3 <110> APPLICANT: Yoichi Taya, Katsuyuki Tamai, Toshiaki Miyazaki  
 5 <120> TITLE OF INVENTION: METHOD FOR DETECTING ACETYLTRANSFERASE AND DEACETYLASE  
 6 ACTIVITIES AND METHOD FOR SCREENING INHIBITORS OR ENHANCERS OF THESE  
 7 ENZYMES  
 9 <130> FILE REFERENCE: 49979 (71965)  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/618,424B  
 C--> 11 <141> CURRENT FILING DATE: 2000-07-18  
 11 <150> PRIOR APPLICATION NUMBER: 09/618,424  
 12 <151> PRIOR FILING DATE: 2000-07-18  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP00/00191  
 15 <151> PRIOR FILING DATE: 1999-01-20  
 17 <150> PRIOR APPLICATION NUMBER: JP 10/9171  
 18 <151> PRIOR FILING DATE: 1998-01-20  
 20 <160> NUMBER OF SEQ ID NOS: 20  
 22 <170> SOFTWARE: PatentIn Ver. 2.0  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 14  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: MOD\_RES  
 31 <222> LOCATION: (7)  
 32 <223> OTHER INFORMATION: ACETYLTATION  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
 36 Sequence  
 38 <400> SEQUENCE: 1  
 39 Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Cys  
 40 1 5 10  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 14  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
 50 Sequence  
 52 <400> SEQUENCE: 2  
 53 Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Cys  
 54 1 5 10  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 14  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Artificial Sequence

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 1-5)

Invalid Response

See item #11 on error summary sheet.

Invalid Response

Mandatory  
 IF <213> response  
 is Artificial or  
 unknown, please explain  
 in section <220>-<223>.

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03102005\I618424B.raw

62 <220> FEATURE:  
63 <221> NAME/KEY: MOD\_RES  
64 <222> LOCATION: (7)  
65 <223> OTHER INFORMATION: ACETYLTATION  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
69 Sequence  
71 <400> SEQUENCE: 3  
72 Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg Cys  
73 1 5 10  
76 <210> SEQ ID NO: 4  
77 <211> LENGTH: 14  
78 <212> TYPE: PRT  
79 <213> ORGANISM: Artificial Sequence  
81 <220> FEATURE:  
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
83 Sequence  
85 <400> SEQUENCE: 4  
86 Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg Cys  
87 1 5 10  
90 <210> SEQ ID NO: 5  
91 <211> LENGTH: 33  
92 <212> TYPE: DNA  
93 <213> ORGANISM: Artificial Sequence  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially  
97 Synthesized Primer Sequence  
99 <400> SEQUENCE: 5  
100 gcgggatccc agaataagga tcatttctgt gag 33  
103 <210> SEQ ID NO: 6  
104 <211> LENGTH: 33  
105 <212> TYPE: DNA  
106 <213> ORGANISM: Artificial Sequence  
108 <220> FEATURE:  
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially  
110 Synthesized Primer Sequence  
112 <400> SEQUENCE: 6  
113 agactcgagc ttgcactcgt tgcaggtgta gac 33  
116 <210> SEQ ID NO: 7  
117 <211> LENGTH: 31  
118 <212> TYPE: DNA  
119 <213> ORGANISM: Artificial Sequence  
121 <220> FEATURE:  
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially  
123 Synthesized Primer Sequence  
125 <400> SEQUENCE: 7  
126 tatggatcca tgctggagga ggagatctat g 31  
129 <210> SEQ ID NO: 8  
130 <211> LENGTH: 31

Invalid  
responseInvalid  
responseSee item  
#11 on error  
summary  
sheet.

## RAW SEQUENCE LISTING

DATE: 03/10/2005

PATENT APPLICATION: US/09/618,424B

TIME: 09:54:12

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03102005\I618424B.raw

131 <212> TYPE: DNA  
132 <213> ORGANISM: Artificial Sequence  
134 <220> FEATURE:  
135 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially  
136 Synthesized Primer Sequence  
138 <400> SEQUENCE: 8  
139 tatctcgagc ttgtcaatga ggcctccctc c 31  
142 <210> SEQ ID NO: 9  
143 <211> LENGTH: 30  
144 <212> TYPE: DNA  
145 <213> ORGANISM: Artificial Sequence  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially  
149 Synthesized Primer Sequence  
151 <400> SEQUENCE: 9  
152 cgcggatcca tggcgagac gcagggcacc 30  
155 <210> SEQ ID NO: 10  
156 <211> LENGTH: 30  
157 <212> TYPE: DNA  
158 <213> ORGANISM: Artificial Sequence  
160 <220> FEATURE:  
161 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially  
162 Synthesized Primer Sequence  
164 <400> SEQUENCE: 10  
165 cgctcgagg gccacttga cctcctcctt 30  
168 <210> SEQ ID NO: 11  
169 <211> LENGTH: 30  
170 <212> TYPE: DNA  
171 <213> ORGANISM: Artificial Sequence  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially  
175 Synthesized Primer Sequence  
177 <400> SEQUENCE: 11  
178 cgcggatcca tggccaagac cgtggcgat 30  
181 <210> SEQ ID NO: 12  
182 <211> LENGTH: 30  
183 <212> TYPE: DNA  
184 <213> ORGANISM: Artificial Sequence  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially  
188 Synthesized Primer Sequence  
190 <400> SEQUENCE: 12  
191 cgctcgaga atctccacat cgctttcctt 30  
194 <210> SEQ ID NO: 13  
195 <211> LENGTH: 13  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Artificial Sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial

Invalid  
response  
see item #11 on error  
summary sheet  
3/10/05

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TIME: 09:54:12

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03102005\I618424B.raw

201 Sequence - see error explanation on pg. 3

203 <400> SEQUENCE: 13

204 Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu

205 1 5 10

208 <210> SEQ ID NO: 14

209 <211> LENGTH: 13

210 <212> TYPE: PRT

211 <213> ORGANISM: Artificial Sequence

213 <220> FEATURE:

214 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial

215 Sequence

217 <400> SEQUENCE: 14

218 Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg

219 1 5 10

222 <210> SEQ ID NO: 15

223 <211> LENGTH: 29

224 <212> TYPE: DNA

225 <213> ORGANISM: Artificial Sequence

227 <220> FEATURE:

228 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially

229 synthesized primer sequence

231 <400> SEQUENCE: 15

232 tatggatcca agaggaagag aatctccgc 29

235 <210> SEQ ID NO: 16

236 <211> LENGTH: 30

237 <212> TYPE: DNA

238 <213> ORGANISM: Artificial Sequence

240 <220> FEATURE:

241 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially

242 synthesized primer sequence

244 <400> SEQUENCE: 16

245 tatctcgagg tctgagtcag gcccttctga 30

248 <210> SEQ ID NO: 17

249 <211> LENGTH: 13

250 <212> TYPE: PRT

251 <213> ORGANISM: Artificial Sequence

253 <220> FEATURE:

254 <221> NAME/KEY: MOD\_RES

255 <222> LOCATION: (7)

256 <223> OTHER INFORMATION: ACETYLATION

258 <220> FEATURE:

259 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial

260 Sequence - Same error

262 <400> SEQUENCE: 17

263 Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu

264 1 5 10

267 <210> SEQ ID NO: 18

268 <211> LENGTH: 13

269 <212> TYPE: PRT

## RAW SEQUENCE LISTING

DATE: 03/10/2005

PATENT APPLICATION: US/09/618,424B

TIME: 09:54:12

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03102005\I618424B.raw

270 <213> ORGANISM: Artificial Sequence  
 272 <220> FEATURE:  
 273 <221> NAME/KEY: MOD\_RES  
 274 <222> LOCATION: (7)  
 275 <223> OTHER INFORMATION: ACETYLTATION  
 277 <220> FEATURE:  
 278 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
 279 Sequence  
 281 <400> SEQUENCE: 18  
 282 Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg  
 283 1 5 10  
 286 <210> SEQ ID NO: 19  
 287 <211> LENGTH: 21  
 288 <212> TYPE: PRT  
 289 <213> ORGANISM: Artificial Sequence  
 291 <220> FEATURE:  
 292 <221> NAME/KEY: MOD\_RES  
 293 <222> LOCATION: (5)  
 294 <223> OTHER INFORMATION: ACETYLTATION  
 296 <220> FEATURE:  
 297 <221> NAME/KEY: MOD\_RES  
 298 <222> LOCATION: (8)  
 299 <223> OTHER INFORMATION: ACETYLTATION  
 301 <220> FEATURE:  
 302 <221> NAME/KEY: MOD\_RES  
 303 <222> LOCATION: (12)  
 304 <223> OTHER INFORMATION: ACETYLTATION  
 306 <220> FEATURE:  
 307 <221> NAME/KEY: MOD\_RES  
 308 <222> LOCATION: (16)  
 309 <223> OTHER INFORMATION: ACETYLTATION  
 311 <220> FEATURE:  
 312 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
 313 Sequence  
 315 <400> SEQUENCE: 19  
 316 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
 317 1 5 10 15  
 319 Arg His Arg Lys Cys  
 320 20  
 323 <210> SEQ ID NO: 20  
 324 <211> LENGTH: 21  
 325 <212> TYPE: PRT  
 326 <213> ORGANISM: Artificial Sequence  
 328 <220> FEATURE:  
 329 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial  
 330 Sequence  
 332 <400> SEQUENCE: 20  
 333 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
 334 1 5 10 15

SAME  
error

SAME error

SAME error

**VERIFICATION SUMMARY**

DATE: 03/10/2005

PATENT APPLICATION: US/09/618,424B

TIME: 09:54:13

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03102005\I618424B.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date